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Patent

Attorney's Docket No. 019952-167

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4

In re Patent Application of)

Katsuhiro SHIRAKAWA et al.)

Application No.: 09/937,062)

Filed: September 21, 2001)

For: IMPLANTABLE ELECTRODE LEAD)
AND IMPLANTABLE MEDICAL)
INSTRUMENT USING THE)
IMPLANTABLE ELECTRODE LEAD)

Group Art Unit: 3738

Examiner: Unassigned

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REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is a copy of the Official Filing Receipt marked in red to show correction that is needed. The correction is as follows.

Under Foreign Applications: change "03/06/2001" to -- 03/06/2000 --.

Issuance of a corrected Official Filing Receipt is respectfully requested.

This Request for Corrected Official Filing Receipt is being filed to correct a Patent Office error.

Respectfully submitted,

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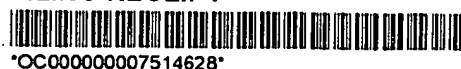
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
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Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

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Title

Living body insertion electrode lead, and living body insertion medical instrument using the same

Preliminary Class

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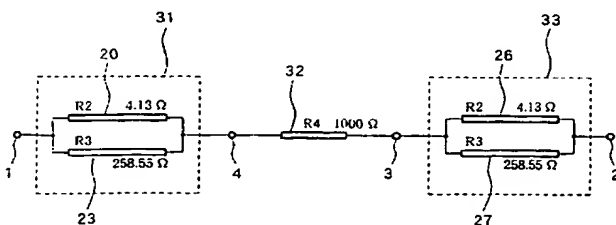
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2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: LIVING BODY INSERTION ELECTRODE LEAD, AND LIVING BODY INSERTION MEDICAL INSTRUMENT USING THE SAME

(54) 発明の名称: 生体植設用電極リードおよびそれを用いる生体植設用医療器具



the living body insertion electrode lead at a point of time when one of the lower-strength conductor wires (23, 27) breaks; therefore, an omen for breakage of the entire living body insertion electrode lead can be found.

(57) Abstract: A living body insertion electrode lead so designed that an omen for breakage of the electrode lead can be detected and reported in early stages before complete breakage; and a living body insertion medical instrument using the same, which can be used more safely. That is, a living body insertion electrode lead including parallel combinations of conductor wires (23, 27) of higher electric resistance and conductor wires (40, 44) of lower electric resistance is capable of detecting and reporting a change in the electric resistance of

[続葉有]

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(57) 要約:

生体植設用電極リードに用いる電極リードが、完全断線する前の早い段階で、断線の予兆を発見し報知することのできる電極リードを提供し、さらに、その電極リードを用いたより安全に使用できる生体植設用医療器具を提供する。すなわち、電気抵抗の大きい導体ワイヤ 23、27 と電気抵抗の小さい導体ワイヤ 40、44 をそれぞれ並列に接続した生体植設用電極リードは、低強度の導体ワイヤ 23 または 27 のうちの 1 本が断線した時点で、生体植設用電極リードの電気抵抗変化を検出し報知することができるので、生体植設用電極リード全体が断線する前の予兆を発見できる。